

Work Order ID 127926

December-17-14 2:01:16 PM

127926

Page 1

Item ID: D2611 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Bearing
 Start Date: 12/17/14 Start Qty: 20.00 ***20*** Cust Item ID:
 Required Date: 12/17/14 Req'd Qty: 20.00 ***20*** Customer:
 Reference:

Approvals: Process Plan: MCS Date: 14-12-23 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2611	Rev C								

100 PURCHASING 0.00
100
 Purchasing Memo 0.00
 Purchasing Issue P/O: 26935 Purchase part as per Dwg D2611 Possible supplier:
 McMasterP/N: 63215K34 Material release note required

CD 15/01/06 20

110 Receive & Inspect for Damage & Mat'l Certs 0.00
110
 Packaging Memo 0.00
 Packaging Ensure certificate of conformity is attached

20x 8015-01-7

120 QC6- Inspect dimensions to drawing 0.00
120
 QC Memo 0.00
 Quality Control

(20)

DAS
38
9-89

JAN 08 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Page 2

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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>5/012A</u>	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

20 CR 15-01-08

MCJ 15-01-09

AB 15-1-8

DQA: _____ Date: _____



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Doc/Data									
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FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

December-17-14 2:01:16 PM

Page 1

Work Order ID: 127926

127926

Parent Item: D2611

D2611

Parent Item Name: Bearing

Start Date: 12/17/14

Required Date: 12/17/14

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP Rev:B99.06.23Re-formatDM
Change to SS; Change Supplier- Rev.C 07.03.14 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
63215K34		Purchased	No				Each	0.0000		20			
63215K34									**				
Bearing													

20 x 8015-01-7.

DQA: _____ Date: _____



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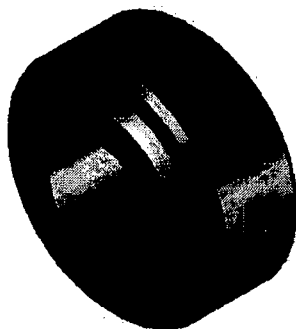
FAULT CATEGORY

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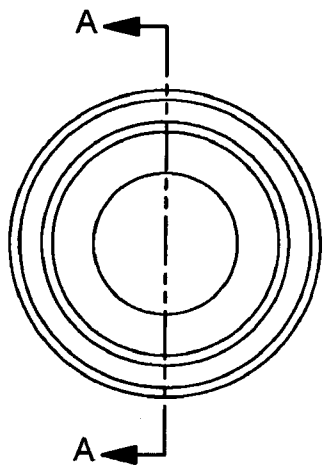
DESIGN 9P	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED H	APPROVED H	DRAWING NO. D2611	REV. C SHEET 1 OF 1
DATE 06.09.20		TITLE BEARING	SCALE NTS
REV	DATE	DESCRIPTION	
A	97.07.31	NEW ISSUE	
B	01.07.04	RE-DRAWN	
C	06.09.20	CHANGE TO SS; CHANGE SUPPLIER	

SPECIFICATION CONTROL DRAWING

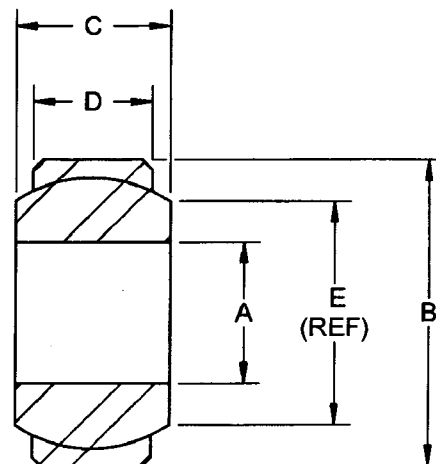


RELEASED

06.11.17 H



NO. 122926 M/S
14-12-03
SUBJECT TO THE
UNCONFIDENTIALITY
OF THE INFORMATION
CONTAINED HEREIN
WHICH IS THE
PROPERTY OF DART
AEROSPACE LTD.



SECTION A-A



A	B	C	D	E (REF)	POSSIBLE SUPPLIER
0.375	0.813	0.406	0.313	0.592	McMASTER-CARR P/N 63215K34

NOTES:

- 1) STAINLESS STEEL BALL JOINT SWIVEL BEARING
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO26935

Purchase Order Date 1/6/2015

PO Print Date 1/6/2015

Page Number 3 of 5

Order From :

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

Line Total: \$2.24

7 63215K34 Bearing 1/8/2015
Yes
1/8/2015

20.00 ✓
Each

\$17.24 \$344.80

AS PER DWG D2611 REV. C
B127926

2015-01-7

Line Total: \$344.80

8 92311A599 SET SCREW 1/8/2015
Yes
1/8/2015

250.00 ✓
Each

\$0.22 \$54.00

AS PER DWG D2712 REV. B
B127910

Line Total: \$54.00

9 D2484P Lock Nut 1/8/2015
Yes
1/8/2015

50.00
Each

\$0.38 \$19.15

AS PER DWG D2484 REV. A
B127415

MCMaster P/N: 91343A100

Note:

1/6/2015



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO26935

Order Placed By
Chantal Lavoie

McMaster-Carr Number
5509849-01

Page 1 of 1

01/06/20

Line	Product	Ordered	Shipped
1	1761K22 Galvanized Steel Clamp, 4 Trade Size for, Quick-Assembly Duct Your Part Number: 71400-20	2 Each	2 ✓
2	1761K23 Galvanized Steel Clamp, 5 Trade Size for, Quick-Assembly Duct Your Part Number: 71400-20	8 Each	8 ✓
3	1317T18 Incandescent Light Bulb, Intermediate-Base, Globe Shape No. S11, 40 Watt, Packs of 1 Your Part Number: 71400-35	2 Packs	2
4	9776K33 1" W X 75' L Hook, Adhesive Back, Beige, Lengths of 75 Your Part Number: B127766	1 Length	1
5	7130K41 Nylon Cable Tie, 6" LG, 1-1/2" Bundle Diameter, 10 lb Break Strength, White, Packs of 100 Your Part Number: B127375	1 Pack	1 ✓
6	91249A146 Black-Oxide Finish Pan Head Phillips Machine Screw, 18-8 Stainless Steel, 6-32 Thread, 3/8" Length, Packs of 100 Your Part Number: B127703	1 Pack	1
7	63215K34 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 3/8" ID, 13/16" OD, 13/32" Ball Thick Your Part Number: B127926	20 Each	20 ✓
8	92311A599 18-8 Stainless Steel Cup Point Set Screw, 5/16"-24 Thread, 5/8" Long, Packs of 50 Your Part Number: B127910	5 Packs	5
9	91343A100 Type 316 Stainless Steel Serrated-Flange Hex Locknut, 1/4"-20 Thread Size, 7/16" W, 15/64" Overall Height, Packs of 10 Your Part Number: D2484P	5 Packs	5
10	59915K274 PTFE-Lined Stainless Steel Ball Joint Rod End, 3/8"-24 Right-Hand Male Shank, 3/8" Ball ID, 1-1/4" L Thread Your Part Number: B127488	40 Each	40
11	92311A639 18-8 Stainless Steel Cup Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10 Your Part Number: B127549	5 Packs	5
12	2939A28 High-Speed Steel Extended-Reach Drill Bit, Uncoated, 3/8", 12" Overall Length, 8.3" Drill Depth Your Part Number: 71500-90	1 Each	1 ✓

SP 15-01-7